FF 14mm F4.0 C&D - Dreamer

ZERO-D

使用手册

Instruction Manual

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LAOWA 老蛙

LAOWA 老蛙

前言

真诚的感谢您选购 FF 14mm F4.0 C&D-Dreamer镜头！为了让您充分理解本产品的使用方法和注意事项，请您在使用前仔细阅读本说明书。

⚠ *为了操作上的安全，使用本产品前请务必详细阅读使用手册和注意事项，并将手册放在需要时容易取得的地方。如遇到不能解决的问题请拨打售后电话获取技术支持。*

主要特色

- 此款镜头是针对单反全画幅相机系统开发的超广角镜头，焦点距离14mm，视场角115°，从设计上控制了镜头的体积，同时具备了高性能、低畸变、小巧轻便的特色和优势。难以想象的超宽视角，比普通超广角包容更多的元素，带给摄影师难以想象的极致体验。
- 该镜头具有全画幅14mm，115°超宽视野，难以想象的摄影视野，给你更多的发现和想象。
- 镜头结构采用2片非球面镜片，和2片ED镜片，保证镜头锐度，又最大限度的降低了色散和畸变，同时提高了边缘画质。

主要特色

- 采用零畸变的光学设计，用直线描绘画面，尽可能减少后期的时间成本。
- 该镜头全金属结构，设置距离刻度调节手轮，针对不同法兰距相机，可以做到精准调整工作距离。
- EF卡口电子光圈设计，可通过机身调节光圈，同时可以记录拍摄参数信息。
- 5片光阑叶片，容易拍出炫丽夺目的10针星芒。

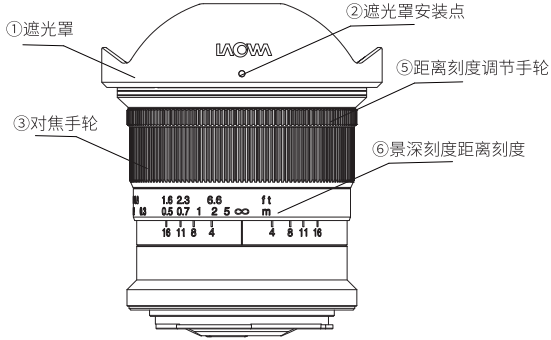
⚠ 安全注意事项

- 切勿自行拆解、修改或改装。当产品由于外力原因破损，切勿触碰外露部分或破损边缘处。
- 切勿放置于直射阳光下、封闭车辆中或其余高温处，否则过高的温度会使镜片和其他部件产生伸缩变形。
- 不使用镜头时，请将镜头前盖盖上或置于没有阳光照射处。凸透镜反射出的光线可能会聚集在附近物体上，导致发生火灾。
- 在逆光拍摄时，切勿将太阳置于画面中心，应该使太阳充分偏离画角，否则阳光会在相机内部聚集并导致火灾或灼伤眼睛。

■ 长期使用保养注意事项

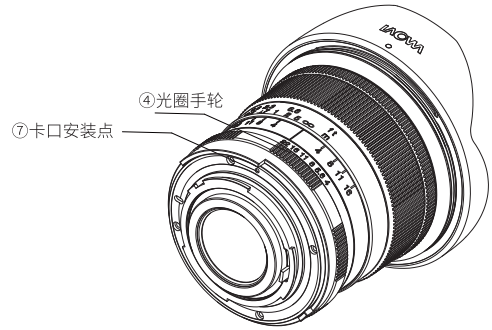
- 避免触摸镜头表面，应用专用镜头布或气吹去除镜头表面的尘埃，不使用镜头时，应将镜头盖盖上。
- 使用镜头纸或镜头布清洁时，以螺旋的方式从中间向外擦拭镜头上的污垢以及指印。
- 镜头从寒冷的环境突然转移至温暖的环境时，镜头的外部以及内部镜片将会凝结水雾，所以在转移时应采取防潮保护措施。

各部件名称



佳能EF卡口

各部件名称



尼康F卡口

镜头安装

取下镜头后盖。将镜头卡口上的安装标记对准相机座圈上的对应标记，随后将镜头插入机身座圈，根据所购买卡口的安装方向旋转镜头，直至咔嚓声锁紧镜头。安装时请不要用力过猛，以免导致卡口损伤。

镜头拆卸

关机后按住相机上的镜头释放按钮，依照所购买卡口的安装方向反向旋转镜头，随后将镜头从座圈中拔出。

装上镜头后，请尝试旋转镜头确认是否已将其固定在相机上。

对焦

此款镜头是手动对焦镜头，合焦时，缓慢旋转对焦环，直至合焦。

不要过猛过快地旋转对焦环，避免用力过度损坏对焦环部件。

镜头上的距离刻度与景深刻度是出于指导目的。实际焦点与景深可能同刻度标记稍有不同。

光圈使用

- EF卡口为电子光圈设计，可在机身上调节光圈参数，F卡口光圈在镜头上调节，根据拍摄环境和与所需要的景深，转动光圈环来选择对应的光圈。
- EF卡口有CPU数据，可记录光圈参数，F卡口无CPU数据，无法记录光圈参数。
- 由于光圈为手动调节，无法较好的使用快门优先模式，但可以使用光圈优先模式(测光准确度视相机型号而定)。

规格表

FF 14mm F4.0 C&D-Dreamer	
画幅	全画幅
焦距	14mm
视角范围	115°
最大光圈	4.0
最小光圈	22
镜片结构	8组13片（2片ED，2片非球面镜片）
光阑叶片	5片
最近摄影距离(物像距离)	14.5cm
最大放大倍率	0.3
合焦驱动方式	手动
滤镜直径	Φ67mm
镜头尺寸（直径/长）	Φ72.5mm*75mm
重量	约320g
卡口	佳能EF、尼康F

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Preface

Thank you very much for purchasing FF 14mm F4.0 C&D - Dreamer Lens. Read this operation manual carefully to familiarize yourself with its contents and ensure that you can operate the product properly.

⚠ *Keep the Instruction Manual in a safe place where it can easily be referenced whenever required. If you are still unable to solve the problem by reading the manual, please contact our after-sales service for further technical support.*

Key Features

- Laowa FF 14mm F4.0 C&D-Dreamer is an ultra wide angle lens designed for full frame SLR cameras. It features close-to-zero distortion (Zero-D) with a 115°angle of view. It is extremely compact and lightweight. This ultra-wide angle lens allows photographers to have one-of-a-kind and inspiring pictures in an ultra-wide perspective.
- The 14mm F4.0 C&D-Dreamer Lens has an unimaginable 115°angle of view, giving you more to discover and imagine.
- This lens incorporates 2 pieces of aspherical lenses and 2 ED glass elements to deliver corner-to-corner sharpness and to suppress chromatic aberrations and distortion to the minimum. And it is optimized for corner sharpness.

Key Features

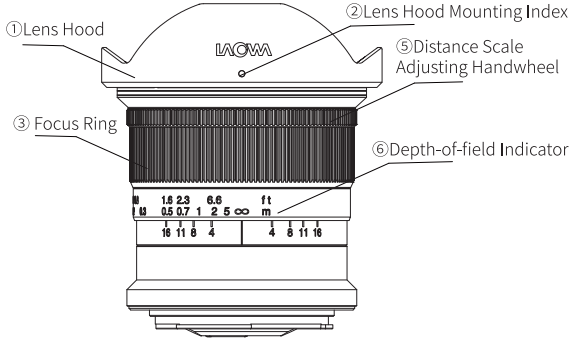
- It features a close-to-zero distortion to keep straight lines straight. This also saves photographers a lot time in post-processing.
- This all-metal lens also has a distance scale adjusting handwheel for accurate focusing of cameras with different flange distances.
- Equipped with a CPU chip and motor (Auto aperture), the EF version allows you to control the aperture via the camera body and all the lens data can be recorded by the CPU on EXIF.
- The 5-bladed aperture creates perfect 10-point sunstars rendering.

⚠ Safety Precautions

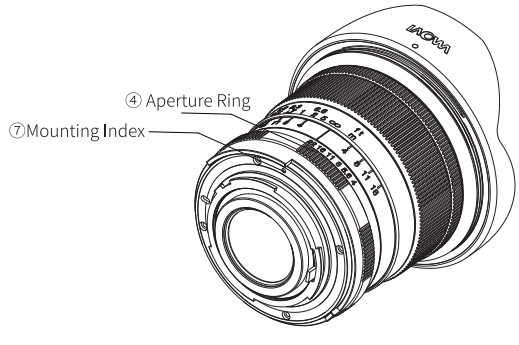
- Do not disassemble, modify the lens by yourself. Do not touch the internal parts that become exposed as the result of external force.
- Do not leave the lens where it will be exposed to high temperatures, such as in direct sunlight and an enclosed vehicle. Excessive heat may deform the glass elements and other parts of the lens.
- Whether it is attached to the camera or not, do not leave the lens under the sun without the lens cap attached. This is to prevent the lens from concentrating the sun' s rays, which could cause a fire.
- Do not place the sun in the frame center when shooting with backlight. Doing so might cause a fire or harm your eyes.

■ Maintenance Precautions

- Do not touch the surface of the lens directly. Brush off any dust with a blower. Wipe the surface with a cleaning cloth or a lens tissue.
- Try a circular motion from the center outward to remove oil, fingerprints and grime on the lens surface.
- If your lens is brought directly from a cold place to a warm place, condensation may appear on the lens. To avoid this, be sure to take some action to protect the lens.



Canon EF



Nikon F

To attach the Lens

Remove the rear lens cap. Align the mounting index on the lens bayonet with the mounting index on the camera, and place the lens on the camera mount, then rotate the lens according to the proper direction of the mount type until it locks. Do not use excessive force during installation to avoid damage to the bayonet.

After attaching the lens, please try to rotate the lens to make sure it mounted onto the camera properly.

To remove the lens

Turn the camera off. While pressing and holding the lens release button on the camera, rotate the lens in the reverse direction for attaching the lens until it stops, then detach the lens.

Focusing

- This is a manual focus lens. Rotate the focusing ring slowly to get focus.
- Turn the focus ring slowly and gently to prevent the focus mechanism from damage.
- The distance scale and depth of field scale are for instructional purposes. Actual focus and DOF may slightly differ from those scale indications.

Setting the Aperture

- For the EF version, you can control the aperture via the camera body. For F version, the aperture is set through the aperture ring on the lens. According to the shooting situation and desired depth of field, rotate the aperture ring on the lens to the corresponding aperture.
- For the EF version, since the lens has CPU data, the aperture value can be recorded. For the F version, since there is no CPU data, the aperture value can not be recorded.
- Aperture-priority is a better option than Shutter-priority for the lens because of its manual aperture. (Note that metering precision depends on the camera models.)

FF 14mm F4.0 C&D-Dreamer	
Format	Full Frame
Focal Distance	14mm
Angle of View	115°
Max. Aperture	4.0
Min. Aperture	22
Lens Structure	13 elements/ 8 groups (ED glass*2, aspherical lenses*2)
Aperture Blades	5
Min. Shooting Distance	14.5cm
Max. Magnification	0.3
Focusing	MF
Filter Thread	Φ67mm
Dimensions	Φ72.5mm*75mm
Weight	About 320g
Mounts	Canon EF/Nikon F

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